



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

(603) 271-3406 FAX (603) 271-7894



February 26, 2003

Letter of Deficiency

DSP #03-020

Ms. Sherri Thompson
1225 Smyth Road
Hooksett, NH 03106

RE: Ledoux Dam #120.29, Hooksett

Dear Ms. Thompson:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on October 30, 2002. During this visual inspection and/or file review, the following deficiencies were observed:

1. There is light wave erosion on the far right upstream face of the dam but it does not appear to affect the stability of the dam;
2. The downstream face of the dam is very steep making it difficult to maintain a hearty vegetative cover;
3. Erosion is occurring into the downstream face of the dam at the roadway swale near the culvert inlet;
4. There is no operation and maintenance plan (O&M) on file with the DES; and
5. The crest of the dam has a poor vegetative cover, although it appears that the emergency spillway is well protected.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

August 31, 2003:

1. Continue to cut and remove the brush on the downstream face of the dam and establish a hearty vegetative cover. Because of the steepness of the embankment, you may want to consider a biodegradable erosion control blanket/mat. If desired, contact our office for guidance;
2. Reconstruct the eroded area that is located on the downstream face of the dam, near the roadway culvert inlet;
3. Prepare and submit to the DES a written O&M. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel; and

Recommendation:

4. Seed and loam the crest of the dam such that it has a hearty vegetative cover and can easily be mowed/maintained.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

COPY
Amy C. Clark

Amy C. Clark, P.E.
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13

cc: Gretchen Rule ✓

Town of Hooksett

Certified # 7000 11670 0000 0586 1469

ACC/was/h:/safety/wendy/lod/120-29lod.doc